

ABSTRACT

The present invention is an adaptive system, which supports higher peak data rate and throughput in digital wireless communications, compared with other non-adaptive systems. One embodiment of the invention consists of three parts: the Long Term Prediction system for fast fading DS/CDMA mobile radio channel; the fast feedback system to enable the adaptive transmission; and, new system blocks that are supported/enabled and changes in the existing 3GPP WCDMA system specifications.